

Item # \_\_\_\_\_

Prepared by: Darren Sanders  
Engineering

Approved by: Lisa Kelly  
County Attorney

**A RESOLUTION APPROVING A CONTRACT AMENDMENT IN THE AMOUNT OF \$12,350.00 WITH AFRAM CORPORATION FOR DESIGN SERVICES FOR THE REPLACEMENT OF THE WARD ROAD BRIDGE AND APPROACHES OVER BIG CREEK DRAINAGE CANAL AND THIS ITEM REQUIRES AN EXPENDITURE OF STATE GAS TAX FUNDS IN THE AMOUNT OF \$12,350.00. SPONSORED BY COMMISSIONER MIKE CARPENTER.**

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**WHEREAS**, AFRAM Corporation has been awarded a contract to design a replacement of the Ward Road Bridge and approaches over the Big Creek Drainage Canal per Resolution Item No. 5, adopted April 13, 2009; and

**WHEREAS**, AFRAM Corporation is a state certified Disadvantaged Business Enterprise (DBE) by the Tennessee Department of Transportation (TDOT); and

**WHEREAS**, TDOT has agreed to reimburse Shelby County for seventy-five percent (75%) of the design and construction costs under the state-aid bridge program; and

**WHEREAS**, TDOT is requesting additional hydraulics and hydrology analysis; and

**WHEREAS**, It is necessary to appropriate \$12,350.00 to fund this work in the contract amendment attached hereto; and

**WHEREAS**, Funds in the amount of \$12,350.00 are available in the FY 2009-2010 Roads and Bridges Operating Budget, Account Number 071-301003-6606, Architectural and Engineering Services.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF SHELBY COUNTY, TENNESSEE**, That the Amendment with AFRAM Corporation in the amount of \$12,350.00 for design services for the replacement of the bridge and approaches on Ward Road over Big Creek Drainage Canal is hereby approved.

**BE IT FURTHER RESOLVED**, That funds in the amount of \$12,350.00 be and the same are hereby appropriated from the FY 2009-2010 Roads and Bridges Operating Budget, Account Number 071-301003-6606, Architectural and Engineering Services.

**BE IT FURTHER RESOLVED**, That the County Mayor is hereby authorized to execute the aforementioned contract on behalf of Shelby County Government, an executed copy of which is to be placed on file in the Contracts Administration Section of the Office of the County Attorney.

**BE IT FURTHER RESOLVED**, That the Mayor and the Director of Administration and Finance are hereby authorized to issue their warrant or warrants in amounts not to exceed \$12,350.00 for the purposes contained in this resolution to AFRAM Corporation and to take proper credit in their accounting therefore.

\_\_\_\_\_  
Joe Ford, Interim County Mayor

Date:\_\_\_\_\_

ATTEST:

\_\_\_\_\_  
Clerk of County Commission

ADOPTED \_\_\_\_\_

## SUMMARY SHEET

### **I. Description of Item**

This resolution approves an Amendment to the AFRAM contract in the amount of \$12,350.00 for additional hydraulics and hydrology analysis along the Big Creek Drainage Canal at Ward Road required by the Tennessee Department of Transportation (TDOT). This work includes converting the existing data from the FEMA HEC-2 stream model into a newer, more detailed and intensive method called HEC-RAS (Hydrologic Engineering Center's River Analysis System) Model.

### **II. Source and Amount of Funding**

#### **A. Amount Expended/Budget Line Item**

Roads and Bridges state gas tax funds are being used to fund this project; Account Number 071-301003-6606, Architectural and Engineering Services.

Seventy-five percent (75%) of the design and construction costs will be reimbursed by TDOT under the state-aid bridge program.

#### **B. All Costs (Direct/Indirect)**

1. Design Costs: \$117,350
2. Estimated Construction Costs: \$ 1.1 M

#### **C. Additional or Subsequent Obligations or Expenses of Shelby County**

1. None

### **III. Contract Items**

#### **A. Type of Contract**

Standard

#### **B. Terms**

June 30, 2010 or until project completion

### **IV. Additional Information Relevant to Approval of This Item**

The Ward Road Bridge over Big Creek Drainage Canal is located in north Shelby County, approximately 1.5 miles west of the Millington City limits. This bridge is approximately fifty years old and in 2007, the State of Tennessee assigned an overall rating of "poor" with specific element conditions of spalling on the decking, excessive channel scouring and deterioration in the beams. The estimated cost for replacement of the bridge is \$1.1 M.